

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2010; month=1; day=27; hr=11; min=16; sec=12; ms=291;]

=====

Application No: 10593413 Version No: 3.0

Input Set:

Output Set:

Started: 2010-01-14 11:54:56.054
Finished: 2010-01-14 11:54:57.264
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 210 ms
Total Warnings: 9
Total Errors: 0
No. of SeqIDs Defined: 11
Actual SeqID Count: 11

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)

SEQUENCE LISTING

<110> Kim, Hyo-Joon

<120> ANTI-OBESE IMMUNOGENIC HYBRID POLYPEPTIDES AND ANTI-OBESE VACCINE
COMPOSITION COMPRISING THE SAME

<130> 0220.00002

<140> 10593413

<141> 2010-01-14

<160> 11

<170> PatentIn version 3.5

<210> 1

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthesized

<400> 1

Arg	Asn	Val	Pro	Pro	Ile	Phe	Asn	Asp	Val	Tyr	Trp	Ile	Ala	Phe
1				5					10					15

<210> 2

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthesized

<400> 2

Arg	Phe	Arg	Gly	Leu	Ile	Ser	Leu	Ser	Gln	Val	Tyr	Leu	Asp	Pro
1				5					10					15

<210> 3

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthesized

<400> 3

Ser	Val	Cys	Gly	Cys	Pro	Val	Gly	His	His	Asp	Val	Val	Gly	Leu
1				5					10					15

<210> 4
 <211> 204
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthesized

 <400> 4
 gtcgaccgta atgttcctcc tatcttcaat gatgtttatt ggattgcatt cctcgaccgt 60

 aatgttcctc ctatcttcaa tgatgtttat tggattgcat tcctcgaccg taatgttcct 120

 cctatcttca atgatgttta ttggattgca ttcctcgacc gtaatgttcc tcctatcttc 180

 aatgatgttt attggattgc attc 204

<210> 5
 <211> 68
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthesized

 <400> 5

 Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala
 1 5 10 15

 Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile
 20 25 30

 Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
 35 40 45

 Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr
 50 55 60

 Trp Ile Ala Phe
 65

<210> 6
 <211> 180
 <212> DNA
 <213> Hepatitis B virus

 <400> 6
 atgcagtgga actccaccac attccaccaa gctctgctag atcccagagt gaggggccta 60

tattttcctg ctggtggctc cagttccgga acagtaaacc ctgttccgac tactgcctca 120

cccatatcgt caatcttctc gaggactggg gaccctgcac cgaacctcga gcggtcataa 180

<210> 7

<211> 59

<212> PRT

<213> Hepatitis B virus

<400> 7

Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu Leu Asp Pro Arg
1 5 10 15

Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser Ser Gly Thr Val
20 25 30

Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser Ser Ile Phe Ser Arg
35 40 45

Thr Gly Asp Pro Ala Pro Asn Leu Glu Arg Ser
50 55

<210> 8

<211> 438

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized

<400> 8

atgagaggat cgcataacca tcacggatcc gatgatgatg acaagatcgt cgaccgtaat 60

gttcctccta tcttcaatga tgtttattgg attgcattcc tcgaccgtaa tgttcctcct 120

atcttcaatg atgtttattg gattgcattc ctcgaccgta atgttcctcc tatcttcaat 180

gatgtttatt ggattgcatt cctcgaccgt aatgttcttc ctatcttcaa tgatgtttat 240

tggattgcat tcctcgacat gcagtggaac tccaccacat tccaccaagc tctgctagat 300

cccagagtga ggggcctata ttttctgct ggtggctcca gttccggaac agtaaaccct 360

gttccgacta ctgcctcacc catatcgtca atcttctcga ggactgggga cctgcaccg 420

aacctcgagc ggtcataa 438

<210> 9

<211> 147

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthesized

<400> 9

Met Arg Gly Ser His His His His His Gly Ser Asp Asp Asp Asp
1 5 10 15

Leu Ile Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
20 25 30

Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr
35 40 45

Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val
50 55 60

Tyr Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp
65 70 75 80

Val Tyr Trp Ile Ala Phe Leu Asp Met Gln Trp Asn Ser Thr Thr Phe
85 90 95

His Gln Ala Leu Leu Asp Pro Arg Val Arg Gly Leu Tyr Phe Pro Ala
100 105 110

Gly Gly Ser Ser Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala Ser
115 120 125

Pro Ile Ser Ser Ile Phe Ser Arg Thr Gly Asp Pro Ala Pro Asn Leu
130 135 140

Glu Arg Ser
145

<210> 10

<211> 432

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized

<400> 10

atgagaggat cgcattacca tcaccattcac ggatccgatg atgatgacaa gatcgtcgac

Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe
130 135 140